

Electrical Test Program - Survey of Electrical Valve Actuation

Right CST valve block
(4 connections) (Y55)

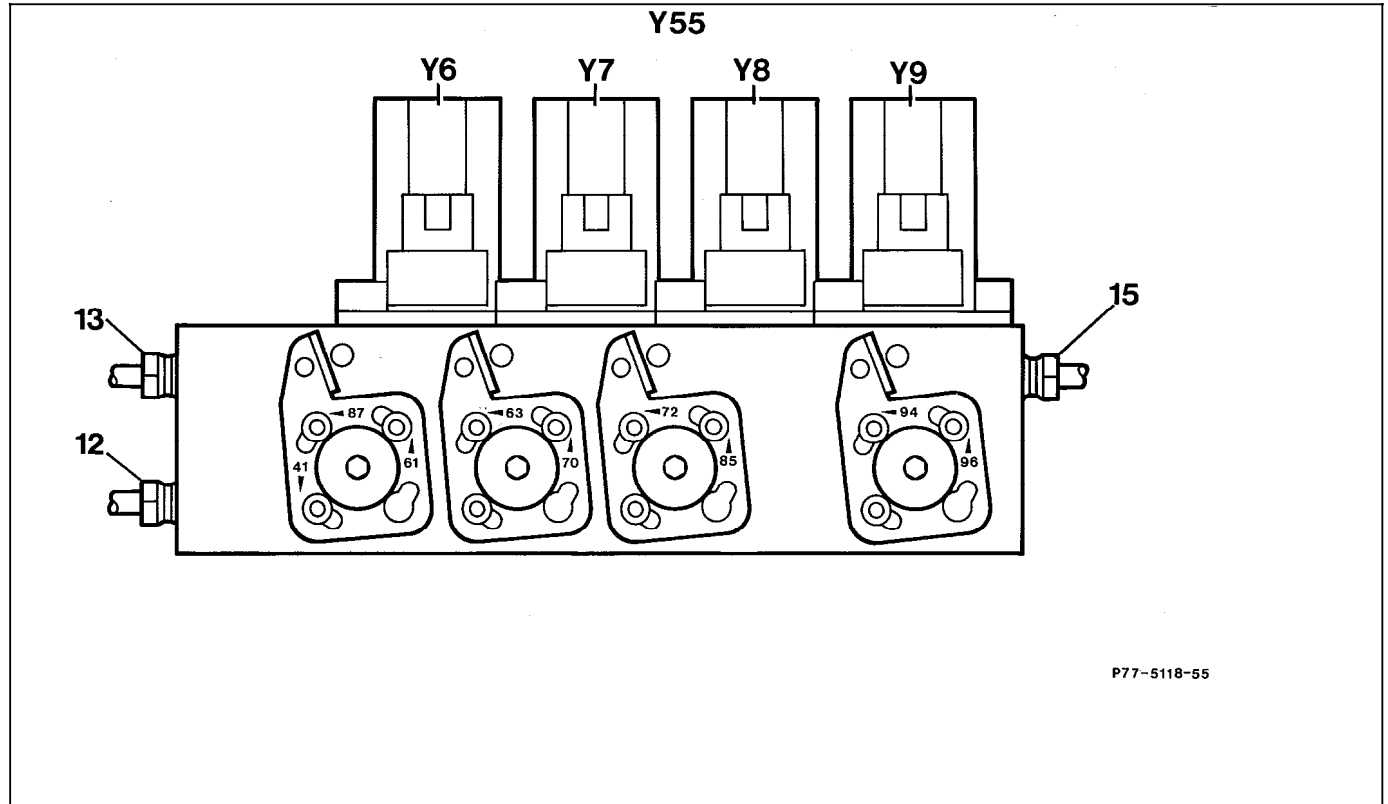


Figure 1

- Y55y6 Soft top "open" valve
- Y55y7 Soft top "close" valve
- Y55y8 Fabric bow "raise" valve
- Y55y9 Fabric bow "lower" valve

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Electrical Test Program - Survey of Electrical Valve Actuation

Left CST valve block
(3 connections) (Y56)

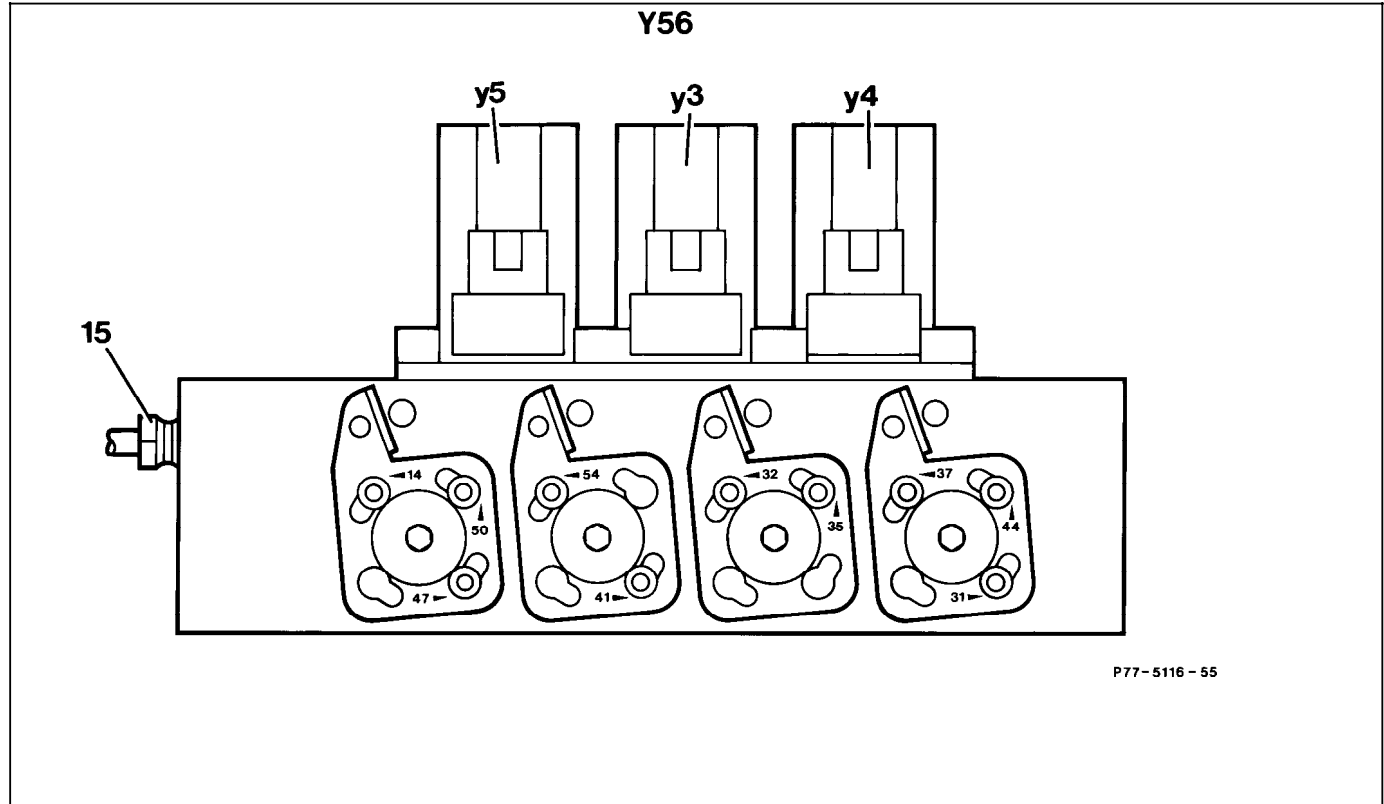


Figure 2

- Y56y3 Soft top compartment lock valve
- Y56y4 Fabric bow lock valve
- Y56y5 Soft top compartment cover drive valve

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Electrical Test Program - Survey of Electrical Valve Actuation

RB valve block (Y57)

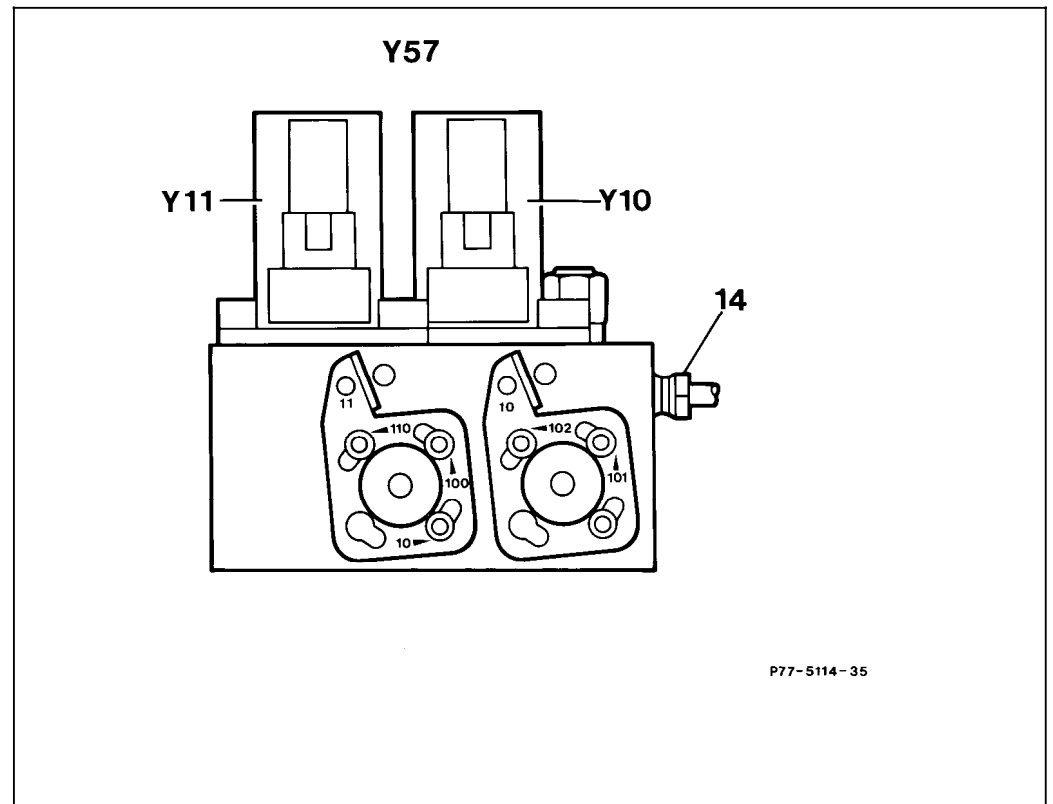


Figure 3

Y57y10 Rod side valve
Y57y11 Piston side valve











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11.1 Cabriolet Soft Top (CST), Roll Bar (RB) (Manual Operation)

Model 124

Electrical Test Program - Survey of Electrical Valve Actuation

Soft top opening sequence	Right CST valve block (Y55)				Left CST valve block (Y56)			RB valve block (Y57)		CST/RB hydraulic unit (A7/5) ¹⁾
	y6	y7	y8	y9	y5	y4	y3	y10	y11	
Valves actuated during operating sequence										
Connection diagram - Socket box to connector X (22, Figure 4), Socket box to connector Z (22, Figure 6)	X  11 1	X  11 2	X  11 3	X  11 4	X  11 5	X  11 8	X  11 9	X  11 10	Z  6 2	Z  6 1
Unlocking front of soft top	0-1 V	0-1 V	0-1 V	0-1 V	0-1 V	0-1 V	0-1 V	0-1 V	0-1 V	0-1 V
Retracting roll bar	0-1 V	0-1 V	0-1 V	0-1 V	0-1 V	0-1 V	0-1 V	11-14 V	0-1 V	0-1 V
Unlocking fabric bow	0-1 V	0-1 V ²⁾	0-1 V	0-1 V	0-1 V	11-14 V	0-1 V	11-14 V	0-1 V	11-14 V
Raising fabric bow	0-1 V	11-14 V	11-14 V	0-1 V	0-1 V	11-14 V	0-1 V	11-14 V	0-1 V	11-14 V
Unlocking soft top compartment cover	0-1 V	11-14 V	11-14 V	0-1 V	0-1 V	0-1 V	11-14 V	11-14 V	0-1 V	11-14 V
Raising soft top compartment cover	0-1 V	11-14 V	11-14 V	0-1 V	11-14 V	11-14 V	11-14 V	11-14 V	0-1 V	11-14 V
Storing fabric bow	0-1 V	0-1 V ²⁾	0-1 V	11-14 V	11-14 V	11-14 V	11-14 V	11-14 V	0-1 V	11-14 V
Opening soft top	11-14 V	0-1 V	0-1 V	0-1 V	11-14 V	11-14 V	11-14 V	11-14 V	0-1 V	11-14 V
Lowering soft top compartment cover	11-14 V	0-1 V	0-1 V	0-1 V	0-1 V	11-14 V	11-14 V	11-14 V	0-1 V	11-14 V
Locking soft top compartment cover	11-14 V	0-1 V	0-1 V	0-1 V	0-1 V	11-14 V	0-1 V	11-14 V	0-1 V	11-14 V
Extending roll bar	0-1 V	0-1 V	0-1 V	0-1 V	0-1 V	0-1 V	0-1 V	11-14 V	11-14 V	0-1 V
Locking front of soft top	0-1 V	0-1 V	0-1 V	0-1 V	0-1 V	0-1 V	0-1 V	0-1 V	0-1 V	0-1 V











¹⁾ CST/RB hydraulic unit main valve (A7/5y1) was eliminated as of chassis end number 837708.

²⁾ Starting with control module version 3.04, the voltage is 11 - 14 V.

11.1 Cabriolet Soft Top (CST), Roll Bar (RB) (Manual Operation)

Model 124

Electrical Test Program - Survey of Electrical Valve Actuation

Soft top closing sequence	Right CST valve block (Y55)				Left CST valve block (Y56)			RB valve block (Y57)		CST/RB hydraulic unit (A7/5) ¹⁾
	y6	y7	y8	y9	y5	y4	y3	y10	y11	
Valves actuated during operating sequence										
Connection diagram - Socket box to connector X (22, Figure 4), Socket box to connector Z (22, Figure 6)	X  11 1	X  11 2	X  11 3	X  11 4	X  11 5	X  11 8	X  11 9	X  11 10	Z  6 2	Z  6 1
Unlocking front of soft top	0-1 V	0-1 V	0-1 V	0-1 V	0-1 V	0-1 V	0-1 V	0-1 V	0-1 V	0-1 V
Retracting roll bar	0-1 V	0-1 V	0-1 V	0-1 V	0-1 V	0-1 V	0-1 V	11-14 V	0-1 V	0-1 V
Unlocking soft top compartment cover	0-1 V	0-1 V	0-1 V	0-1 V	0-1 V	0-1 V	11-14 V	11-14 V	0-1 V	11-14 V
Raising soft top compartment cover	0-1 V	0-1 V	0-1 V	0-1 V	11-14 V	11-14 V	11-14 V	11-14 V	0-1 V	11-14 V
Closing soft top	0-1 V	11-14 V	0-1 V	0-1 V	11-14 V	11-14 V	11-14 V	11-14 V	0-1 V	11-14 V
Raising fabric bow	0-1 V	11-14 V	11-14 V	0-1 V	11-14 V	11-14 V	11-14 V	11-14 V	0-1 V	11-14 V
Lowering soft top	0-1 V	11-14 V	11-14 V	0-1 V	0-1 V	11-14 V	11-14 V	11-14 V	0-1 V	11-14 V
Locking soft top compartment cover	0-1 V	11-14 V	11-14 V	0-1 V	0-1 V	11-14 V	0-1 V	11-14 V	0-1 V	11-14 V
Lowering fabric bow	0-1 V	11-14 V	0-1 V	11-14 V	0-1 V	0-1 V	0-1 V	11-14 V	0-1 V	11-14 V
Locking fabric bow	0-1 V	11-14 V	0-1 V	11-14 V	0-1 V	0-1 V	0-1 V	11-14 V	0-1 V	11-14 V
Locking front of soft top	0-1 V ³⁾	11-14 V	0-1 V	0-1 V	0-1 V	0-1 V	0-1 V	0-1 V	0-1 V	0-1 V
Extending roll bar	0-1 V	0-1 V	0-1 V	0-1 V	0-1 V	0-1 V	0-1 V	11-14 V	11-14 V	0-1 V

1) CST/RB hydraulic unit main valve (A7/5y1) was eliminated as of chassis end number 837708.

3) Up to control module version 3.04, the voltage is 11 – 14 V.